

## DELAWARE RIVER BASIN

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY

LOCATION.--Lat 42°20'58", long 74°36'41", Delaware County, Hydrologic Unit 02040101, on left bank 0.3 mi upstream from mouth, and 3.3 mi southeast of Hobart.

DRAINAGE AREA.--0.76 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Supplementary water-stage recorder about 15 ft upstream used for low-flow periods (flows less than about 5 ft<sup>3</sup>/s). Elevation of gage is 1,900 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 268 ft<sup>3</sup>/s, July 4, 1999, gage height, 3.24 ft, from rating curve extended above 22 ft<sup>3</sup>/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 0.03 ft<sup>3</sup>/s, Sept. 12, 13, 19, 2001, Sept. 10, 12, 13, 14, 19, 20, 21, 2002; minimum gage height not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft<sup>3</sup>/s and maximum (\*):

	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)		Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
	Oct 29	0730	41	2.41		Dec 24	1600	23	2.23
	Nov 20	0830	17	2.15		Sep 18	--	a*60	unknown

a About.

Minimum discharge, 0.12 ft<sup>3</sup>/s, July 10, 11, 12, 14; minimum gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	6.9	4.8	2.3	e0.33	0.28	5.0	2.1	2.8	0.21	e1.7	0.57
2	2.1	4.8	3.8	2.1	e0.34	0.72	6.1	2.2	2.8	0.20	1.3	0.49
3	1.6	3.3	3.0	2.5	0.35	0.78	5.3	2.6	2.9	0.18	1.1	0.43
4	2.0	2.3	2.6	3.1	0.35	1.2	4.2	2.4	2.5	0.16	1.0	0.41
5	1.7	2.4	2.3	4.0	0.34	2.7	3.3	2.5	2.4	0.22	1.1	0.37
6	1.6	2.1	2.1	3.6	0.42	8.7	2.7	2.4	2.2	0.18	0.81	0.33
7	1.6	1.8	1.8	e2.6	0.51	7.2	2.3	2.1	2.4	0.17	0.72	0.32
8	1.4	1.6	1.6	e1.7	0.36	5.6	1.9	1.8	2.2	0.16	0.63	0.48
9	1.4	1.5	1.4	e1.5	e0.34	4.1	1.6	1.7	1.9	0.15	0.57	0.97
10	1.3	1.4	1.4	e1.3	0.35	3.1	1.3	1.6	1.6	0.14	0.51	0.54
11	1.1	1.5	5.3	e1.2	0.34	2.5	1.2	1.4	1.1	0.13	0.46	0.45
12	1.1	1.4	6.9	e1.1	0.31	2.1	1.2	1.1	0.79	0.13	e1.7	0.44
13	1.0	1.5	5.7	e1.0	e0.29	1.7	2.4	1.0	0.68	0.15	e3.0	0.45
14	1.0	1.3	4.8	e0.90	e0.28	e1.5	3.2	0.96	0.62	e0.39	2.4	0.41
15	1.4	1.2	4.0	e0.84	e0.27	1.3	3.6	0.92	0.56	0.30	e3.2	0.40
16	1.1	1.2	3.2	e0.78	e0.26	e1.2	3.1	0.83	0.50	0.21	e4.4	0.38
17	1.1	1.3	4.1	e0.72	0.25	e1.0	2.7	0.74	0.48	0.18	e3.1	e6.3
18	1.2	1.2	3.6	e0.68	0.26	0.89	3.1	0.88	0.48	0.23	e2.7	e30
19	1.5	4.3	3.1	e0.64	0.27	0.80	3.0	0.78	0.41	0.25	2.1	e14
20	1.3	15	2.7	e0.60	0.26	1.2	2.8	0.68	0.36	0.23	e2.3	e7.4
21	1.4	12	2.4	e0.58	0.29	1.0	2.6	0.69	0.32	0.18	e5.4	e5.0
22	1.4	7.7	2.2	e0.54	0.27	1.3	2.4	0.66	0.35	0.17	e3.2	2.0
23	1.2	5.5	2.4	e0.50	e0.25	1.1	2.5	0.77	0.31	0.22	e3.0	1.5
24	1.1	4.4	15	e0.47	0.24	0.76	2.2	1.8	0.28	0.16	2.2	1.2
25	1.1	3.7	14	e0.43	0.23	1.2	2.1	2.1	0.27	0.15	1.7	1.1
26	1.3	3.0	9.0	e0.41	0.23	2.6	3.3	3.7	0.52	0.16	1.4	0.87
27	5.8	2.6	6.2	e0.39	0.23	7.1	3.4	4.7	0.26	e2.3	1.2	0.75
28	9.9	3.7	4.6	e0.37	0.23	9.6	3.3	4.9	0.27	e2.0	1.0	e2.2
29	26	5.2	3.7	e0.35	0.23	7.5	2.8	3.4	0.28	e2.7	0.85	1.6
30	16	5.5	3.3	e0.34	---	5.7	2.4	2.7	0.23	1.9	0.72	1.7
31	10	---	2.7	e0.33	---	4.8	---	2.4	---	1.6	0.67	---
TOTAL	104.5	111.3	133.7	37.87	8.68	91.23	87.0	58.51	32.77	15.51	56.14	83.06
MEAN	3.37	3.71	4.31	1.22	0.30	2.94	2.90	1.89	1.09	0.50	1.81	2.77
MAX	26	15	15	4.0	0.51	9.6	6.1	4.9	2.9	2.7	5.4	30
MIN	1.0	1.2	1.4	0.33	0.23	0.28	1.2	0.66	0.23	0.13	0.46	0.32
CFSM	4.44	4.88	5.67	1.61	0.39	3.87	3.82	2.48	1.44	0.66	2.38	3.64
IN.	5.12	5.45	6.54	1.85	0.42	4.47	4.26	2.86	1.60	0.76	2.75	4.07

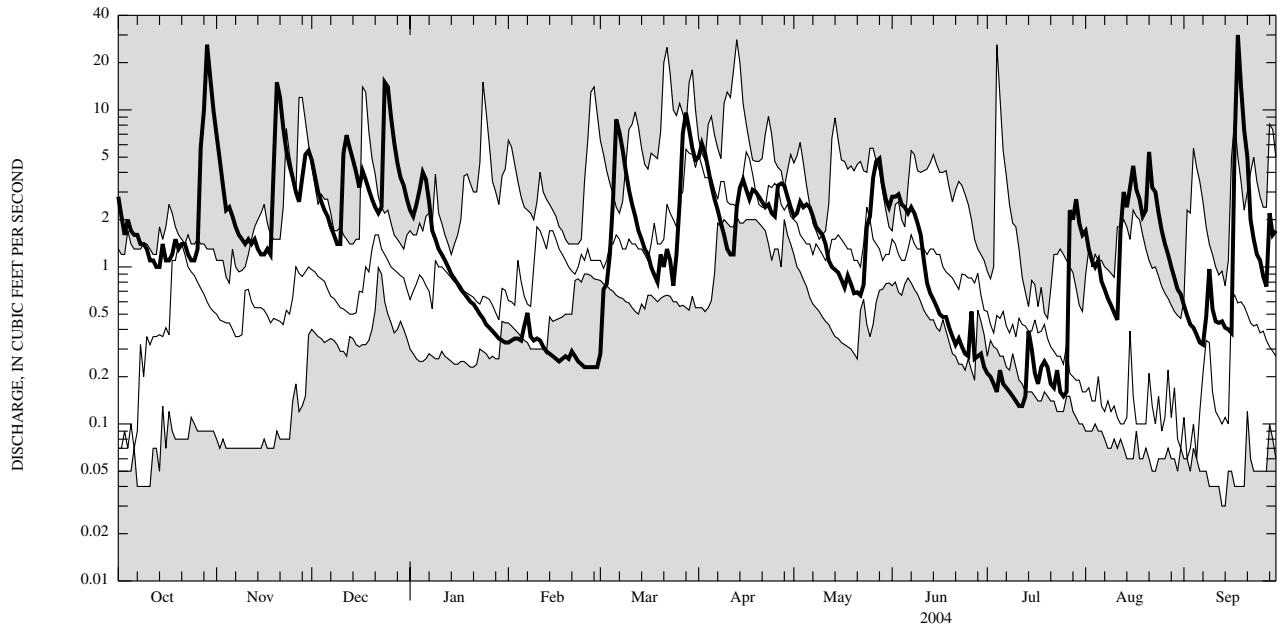
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1.09	1.47	1.75	1.18	1.38	2.94	3.69	2.00	1.40	0.70	0.67	1.23
(WY)	(2004)	(2004)	(2004)	(1999)	(2002)	(2003)	(2001)	(2000)	(2000)	(1999)	(2004)	(2004)
MIN	0.07	0.10	0.46	0.45	0.30	0.64	2.61	0.56	0.61	0.21	0.07	0.07
(WY)	(2002)	(2002)	(1999)	(2001)	(2004)	(2001)	(1999)	(2001)	(1999)	(2002)	(2001)	(2001)

## 01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1999 - 2004
ANNUAL TOTAL	885.42	820.27	
ANNUAL MEAN	2.43	2.24	1.62
HIGHEST ANNUAL MEAN			2.24
LOWEST ANNUAL MEAN			1.08
HIGHEST DAILY MEAN	26 Oct 29	30 Sep 18	30 Sep 18, 2004
LOWEST DAILY MEAN	0.36 Jul 10	0.13 Jul 11	0.03 Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.44 Jul 4	0.15 Jul 7	0.04 Sep 8, 2002
ANNUAL RUNOFF (CFSM)	3.19	2.95	2.14
ANNUAL RUNOFF (INCHES)	43.34	40.15	29.01
10 PERCENT EXCEEDS	5.2	4.8	3.9
50 PERCENT EXCEEDS	1.4	1.4	0.91
90 PERCENT EXCEEDS	0.50	0.26	0.12

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.  
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.